

AMENDMENTS TO THE CLAIMS

The following is a complete listing of claims with a status identifier in parenthesis.

1. (Currently Amended) A method for designing a control of a complete process which comprises a number of individual processes, said method comprising the steps of:

- a) identifying functionalities of said individual processes;
- b) performing a validation by automatically verifying a future interplay of said functionalities in accordance with an input to said complete process, ~~while not impeding each individual process during an operation,~~ and producing a validation result; and
- c) determining data for future controlling of said complete process from said validation result.

2. (Original) The method as claimed in claim 1, further comprising the step of performing a sequence optimization.

3. (Original) The method as claimed in claim 1, further comprising the step of producing data for the future ~~said~~ control in an executable code form.

4. (Currently Amended) The method as claimed in claim 1, wherein at least one of the functionalities is further comprising the step of controlling individual processes by a software unit for controlling one or more of which is one of said functionalities of said individual processes, respectively.

5. (Currently Amended) The method as claimed in claim 1, wherein said validation result can indicate that one or more of said individual processes ~~may be~~ is an impeding process, an impeding process being defined as such if one of the following conditions is met:

- a) an individual process is blocked by another individual process;
and
- b) an individual process reaches an unauthorized state or a state endangering operation of said complete system.

6. (Currently Amended) The method as claimed in claim 1, wherein the complete process represents one or more operations performed by further comprising the steps of:

- ~~designing an automatic placement machine; and~~
- ~~controlling individual processes of said machine.~~

Dy 7. (Currently Amended) The method as claimed in claim 1, further comprising the step of controlling a technical installation with the data determined for controlling said complete process.

8. (Currently Amended) An arrangement for designing the control of a complete process, comprising:

a number of individual processes; and

a processor unit configured to provide:

- a) identification of functionalities of said individual processes;
- b) a validation, by automatically verifying an future interplay of functionalities in accordance with an input to said complete process, ~~in a manner such that each of said individual processes is not impeded during an operation;~~ and
- c) data from a result of said validation that is used for future controlling of said complete process.

9. (New) The method of claim 1, wherein a successful type of validation result indicates at least one of the following: that there are no impediments to

any of said processes; and that each of said individual processes occupies only one or more authorized states, respectively.

10. (New) The arrangement of claim 8, wherein the processor unit is further operable to perform a sequence optimization.

11. (New) The arrangement of claim 8, wherein the processor unit is further operable to produce data for the future control in an executable code form.

D4 12. (New) The arrangement of claim 8, wherein at least one of the functionalities corresponds to a software unit for controlling one or more of said individual processes, respectively.

13. (New) The arrangement of claim 8, wherein said validation result can indicate that one or more of said individual processes is an impeding process, an impeding process being defined as such if one of the following conditions is met:

- a) an individual process is blocked by another individual process;
and
- b) an individual process reaches an unauthorized state or a state endangering operation of said complete system.

14. (New) The arrangement of claim 8, wherein the complete process represents one or more operations performed by an automatic placement machine.

15. (New) The arrangement of claim 8, wherein the processor unit is further operable to control a technical installation with the data determined for controlling said complete process.

16. (New) The method of claim 1, wherein a successful type of validation result indicates at least one of the following: that there are no impediments to any of said processes; and that each of said individual processes occupies only one or more authorized states, respectively.

<REMAINDER OF PAGE INTENTIONALLY LEFT BLANK>